

DIVISION OF OIL, GAS, AND MINING  
BOND ESTIMATE

OPERATOR: Atlas Minerals  
MINE NAME: Patti Ann  
LOCATION: Lisbon Valley  
COUNTY: San Juan  
DATE: December 21, 1982

	Operation	Amount	Rate	Cost
A.	CLEAN-UP			
	1. Removal of structures & equipment.	3,500 ft <sup>2</sup>	\$1.50/ft <sup>2</sup>	\$5,250
	2. Removal of trash & debris.	9.4 acres	\$100/acre	\$940
	3. Leveling of ancillary facilities pads and access roads.	0.3 acres	\$1,000/acre	\$300
B.	REGRADING & RECONTOURING			
	1. Earthwork including haulage and grading of spoils, waste and overburden.	9.1 acres	\$1,000/acre	\$9,100
	2. Recontouring of highwalls and excavations.	N/A	N/A	N/A
	3. Spreading of soil or surficial materials.	40 hrs	\$60/hr	\$2,400
C.	STABILIZATION			
	1. Soil preparation, scarification, fertilization, etc.	----- Included in regrading -----		
	2. Seeding or planting.	9.4 acres	\$125/acre	\$1,175
	3. Construction of terraces, waterbars, etc.	----- Included in regrading -----		
D.	LABOR			
	1. Supervision.			
	2. Labor exclusive of bulldozer time. }	200 hrs	\$15/hr	\$3,000
E.	SAFETY			
	1. Erection of fences, portal coverings, etc.	1 shaft	\$2,500 each	\$2,500
	2. Removal or neutralization of explosive or hazardous materials.	N/A	N/A	N/A
F.	MONITORING			
	1. Continuing or periodic monitoring, sampling & testing deemed necessary.	80 hrs	\$15/hr	\$1,200
G.	OTHER			
	1. Contingency costs	\$25,865	10%	\$2,590
H.	Total	N/A	N/A	\$28,455



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ACT/037/003

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<b>CLEAN-UP</b>			
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2. Removal of trash & debris.	9.4 acres	\$100/acre	\$9 40
3. Leveling of ancillary facilities pads and access roads.	0.3 acres	\$1,000/acre	\$300
<b>REGRADEING &amp; RECONTOURING</b>			
1. Earthwork including haulage and grading of spoils, waste and overburden.	9.1 acres	\$1,000 acre	\$9,100
2. Recontouring of highwalls and excavations.	N/A	N/A	N/A
3. Spreading of soil or surficial materials.	40 hrs	100 D-6 \$60/hr	4000 \$2,400
<b>STABILIZATION</b>			
1. Soil preparation, scarification, fertilization, etc.	----- Included in regrading -----		
2. Seeding or planting.	9.4 acres	\$125/acre	\$1,175
3. Construction of terraces, waterbars, etc.	----- Included in regrading -----		
<b>LABOR</b>			
1. Supervision.			
2. Labor exclusive of bulldozer time.}	200 hrs	\$15/hr	\$3,000
<b>SAFETY</b>			
1. Erection of fences, portal coverings, etc.	1 portal. 1 shaft	3000 \$2,500 each	3000 \$2,500
2. Removal or neutralization of explosive or hazardous materials.	N/A	N/A	N/A
<b>MONITORING</b>			
1. Continuing or periodic monitoring, sampling & testing deemed necessary.	120 80 hrs 31065 29665	\$15/hr	1800 \$1,200
<b>OTHER</b>			
1. Contingency costs	\$25,865	10%	\$2,590
<b>Total</b>	31,971 34,171	N/A	\$28,455